

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		Application Number	10/535,449
		Filing Date	May 19, 2005
		First Named Inventor	Walter Fix
		Group Art Unit	Not assigned
		Examiner Name	Not assigned
Sheet	1	2	Attorney Docket Number
411000-132			

**U.S. PATENT DOCUMENTS**

Examiner Initial*	Cite No. <sup>1</sup>	Document Number Number-Kid Code <sup>2</sup> (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/MWS/	103	US-6,852,583	10/09/2003	Adolf Berndt et al.	See attached Disclosure Statement
/MWS/	102	US-6,903,958	03/21/2002	Adolf Berndt et al.	
/MWS/	133	US-10/344,926	02/12/2004	Adolf Berndt et al.	
/MWS/	99	US-10/344,951	02/12/2004	Adolf Berndt et al.	
/MWS/	110	US-10/362,932	10/02/2003	Adolf Berndt et al.	
/MWS/	106	US-10/380,113	09/25/2003	Adolf Berndt et al.	
/MWS/	105	US-10/381,032	02/12/2004	Adolf Berndt et al.	
/MWS/	108	US-10/433,959	04/01/2004	Adolf Berndt	
/MWS/	111	US-10/433,961	04/01/2004	Wolfgang Clemens et al.	
/MWS/	109	US-10/451,108	05/13/2004	Mark Giles et al.	
/MWS/	104	US-10/467,636	11/04/2004	Adolf Berndt et al.	
/MWS/	113	US-10/473,050	05/20/2004	Adolf Berndt et al.	
/MWS/	101	US-10/479,234	12/30/2004	Adolf Berndt et al.	
/MWS/	100	US-10/479,238	10/20/2004	Adolf Berndt et al.	
/MWS/	115	US-10/492,922	03/03/2005	Erwann Buillet et al.	
/MWS/	114	US-10/492,923	12/23/2004	Wolfgang Clemens et al.	
/MWS/	119	US-10/498,610	N/A	Walter Fix et al.	
/MWS/	120	US-10/508,640	N/A	Walter Fix et al.	
/MWS/	121	US-10/508,737	N/A	Adolf Berndt et al.	
/MWS/	122	US-10/517,750	N/A	Wolfgang Clemens et al.	
/MWS/	123	US-10/523,216	N/A	Adolf Berndt et al.	
/MWS/	124	US-10/523,487	N/A	Wolfgang Clemens et al.	
/MWS/	127	US-10/524,646	N/A	Walter Fix et al.	
/MWS/	128	US-10/533,756	N/A	Wolfgang Clemens et al.	

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

<p>Substitute for form 1449A/PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p><i>(Use as many sheets as necessary)</i></p>		<b>Complete if Known</b>	
		Application Number	10/535,449
		Filing Date	May 19, 2005
		First Named Inventor	Walter Fix
		Group Art Unit	Not assigned
		Examiner Name	Not assigned
Sheet	2	Attorney Docket Number	411000-132

/MWS/	129	US-10/534,678	N/A	Wolfgang Clemens et al.	
/MWS/	131	US-10/535,448	N/A	W. Clemens et al.	
/MWS/	132	US-10/535,449	N/A	Walter Fix et al.	
/MWS/	136	US-10/541,815	N/A	Axel Gertt et al.	
/MWS/	137	US-10/541,956	N/A	Wolfgang Clemens et al.	
/MWS/	138	US-10/541,957	N/A	Walter Fix et al.	
/MWS/	139	US-10/543,561	N/A	Wolfgang Clemens et al.	
/MWS/	140	US-10/542,678	N/A	Adolf Berndt et al.	
/MWS/	141	US-10/542,679	N/A	Adolf Berndt et al.	
Examiner Signature		/Matthew Such/		Date Considered	11/23/2007

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2

#269729

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

Substitute for form 1449A/PTO				<i><b>Complete if Known</b></i>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				Application Number	10/535,449
Sheet	1	Of	11	Filing Date	May 19, 2005
				First Named Inventor	Walter Fix
				Group Art Unit	Not assigned
				Examiner Name	Not assigned
				Attorney Docket Number	
				411000-132	

<b>U.S. PATENT DOCUMENTS</b>					
Examiner Initial*	Cite No. <sup>1</sup>	Document Number Number-Kid Code <sup>2</sup> (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/MWS/		US-2002/0022284	02-21-2002	Heeger	See attached IDS Letter
/MWS/		US-2002/0053320	05-09-2002	Duthaler	
/MWS/		US-2002/0056839	05-16-2002	Joo et al.	
/MWS/		US-2002/0068392	06-06-2002	Lee et al.	
/MWS/		US-2002/0170897	11-21-2002	Hall	
/MWS/		US-2002/0018911	02-00-2002	Bernius et al.	
/MWS/		US-2002/0195644	12-26-2002	Dodabalapur et al.	
/MWS/		US-2002/025391	02-28-2002	Angelopoulos	
/MWS/		US-2002/130042	09-19-2002	Moerman et al.	
/MWS/		US-2003/0112576	08-19-2003	Brewer et al.	
/MWS/		US-2003/059987	03-27-2003	Siringhaus et al.	
/MWS/		US-2004/0002176	01-01-2004	Xu	
/MWS/		US-2004/0013982	01-00-2004	Jacobson et al.	
/MWS/		US-2004/0026689	02-00-2004	Berndt et al.	
/MWS/		US-2004/0084670	05-06-2004	Tripsas et al.	
/MWS/		US-2004/0211329	10-00-2004	Funahata et al.	
/MWS/		US-3,512,052	12-12-1970	MacIver et al.	
/MWS/		US-3,769,098	10-30-1973	Ashkin	
/MWS/		US-3,855,098	05-04-1976	Kawamoto	
/MWS/		US-4,302,648	11-24-1981	Sado et al.	
/MWS/		US-4,442,019	04-19-1984	Marks	
/MWS/		US-4,865,197	09-12-1989	Craig	
/MWS/		US-4,926,052	05-15-1990	Hatayama	
/MWS/		US-5,173,835	12-22-1992	Comett et al.	
/MWS/		US-5,206,525	04-27-1993	Yamamoto et al.	
/MWS/		US-5,259,926	11-09-1993	Kuwabara et al.	

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

*(Use as many sheets as necessary)*

Sheet	2	11	Attorney Docket Number	411000-132
-------	---	----	------------------------	------------

**Complete if Known**

Application Number	10/535,449
Filing Date	May 19, 2005
First Named Inventor	Walter Fix
Group Art Unit	Not assigned
Examiner Name	Not assigned

/MWS/	US-5,321,240	06-14-1994	Takhiira
/MWS/	US-5,347,144	09-13-1994	Garnier et al.
/MWS/	US-5,395,504	03-07-1995	Saurer et al.
/MWS/	US-5,480,839	01-02-1996	Ezawa et al.
/MWS/	US-5,486,851	01-23-1996	Gehner et al.
/MWS/	US-5,502,396	03-26-1996	Desarzens
/MWS/	US-5,546,889	08-20-1999	Wakita et al.
/MWS/	US-5,569,879	10-29-1996	Gloton et al.
/MWS/	US-5,574,291	11-12-1996	Dodabalapur et al.
/MWS/	US-5,578,513	11-00-1996	Maegawa
/MWS/	US-5,580,794	12-03-1996	Allen
/MWS/	US-5,629,530	05-13-1997	Brown et al.
/MWS/	US-5,630,986	05-20-1997	Charlton et al.
/MWS/	US-5,652,645	07-29-1997	Jain
/MWS/	US-5,691,089	11-25-1997	Smayling
/MWS/	US-5,729,428	03-17-1998	Sakata et al.
/MWS/	US-5,854,139	12-29-1998	Kondo et al.
/MWS/	US-5,869,972	02-09-1999	Birch et al.
/MWS/	US-5,946,551	08-31-1999	Dimitrakopoulos
/MWS/	US-5,967,048	10-19-1999	Fromson et al.
/MWS/	US-5,970,318	10-19-1999	Choi et al.
/MWS/	US-5,973,598	10-26-1999	Beigel
/MWS/	US-5,997,817	12-07-1999	Crismore et al.
/MWS/	US-6,036,919	03-14-2000	Thym et al.
/MWS/	US-6,045,977	04-04-2000	Chandross et al.
/MWS/	US-6,060,338	05-09-2000	Tanaka et al.
/MWS/	US-6,083,104	07-04-2000	Choi Kei Fung
/MWS/	US-6,087,196	07-11-2000	Sutrm et al.
/MWS/	US-6,133,835	10-17-2000	DeLeeuw et al.
/MWS/	US-6,207,472	03-27-2001	Calligari et al.
/MWS/	US-6,215,130	04-00-2001	Dodabalapur
/MWS/	US-6,251,513	06-26-2001	Rector et al.

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet	3		11	Attorney Docket Number	411000-132
-------	---	--	----	------------------------	------------

**Complete if Known**

Application Number	10/535,449
Filing Date	May 19, 2005
First Named Inventor	Walter Fix
Group Art Unit	Not assigned
Examiner Name	Not assigned

/MWS/	US-6,284,562	09-00-2001	Batlogg et al.	
/MWS/	US-6,300,141	10-09-2001	Segal et al.	
/MWS/	US-6,321,571	11-27-2001	Thermon et al.	
/MWS/	US-6,322,736	11-00-2001	Bao	
/MWS/	US-6,335,539	10-19-1999	Dimitrakopoulos et al.	
/MWS/	US-6,340,822	01-22-2002	Brown et al.	
/MWS/	US-6,403,396	06-11-2002	Gudesen et al.	
/MWS/	US-6,429,450	08-06-2002	Mutsaers et al. et al.	
/MWS/	US-6,517,955	02-00-2005	Jacobsen et al.	
/MWS/	US-6,852,583	02-08-2005	Berndt et al.	
/MWS/	US-6,903,958	06-07-2005	Berndt et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initial*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		DE 09 00 607	05-02-1995	OAO Gesellschaft		
		DE 100 00 257	09-14-2000	IBM		
		DE 100 12 204 (title page only)	09-20-2001	Siemens		
		DE 100 99 112 (title page only)	01-24-2002	Siemens		
		DE 100 43 204	04-04-2002	Siemens		
		DE 100 43 192	04-04-2002	Siemens AG		
		DE 100 47 174	04-18-2002	Siemens AG		
		DE 100 59 550	05-20-2002	Interactive Biotech.		
		DE 100 01 207 (title page only)	09-27-2002	Siemens		
		DE 101 17 089	10-17-2002	Samsung SDI Co.		
		DE 101 29 087	10-31-2002	Siemens AG		
		DE 102 19 005	12-04-2003	Osrarn Opto Semicond.		
		DE 100 10 000	11-10-1999	Deutsche Telekom		
		DE 100 52 312 (title page only)	05-20-1999	Nintendo Co.		
		DE 100 49 403	11-25-1999	Cambridge Display		
		DE 100 21 024 (title page only)	11-16-2000	Eichmann		
		DE 100 22 757	01-25-2001	Giesecke & Devrient		

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

*Complete if Known*

Application Number	10/535,449
Filing Date	May 19, 2005
First Named Inventor	Walter Fix
Group Art Unit	Not assigned
Examiner Name	Not assigned

Sheet 4

11

Attorney Docket Number 411000-132

	DE 199 35 527	02-08-2001	Giesecke & Devrient	
	DE 199 07 202	08-01-2001	Siemens	
	DE 424 96 92	06-30-1994	Daimler-Benz	
	DE 095 19 762 (title page only)	01-03-2001	News Datacom Ltd.	
	EP 0 126 529	12-13-1984	BASF	
/MWS/	EP 0 268 370 A2	05-25-1988	Canon Kabushiki Kaisha	X
/MWS/	EP 0 268 370 A3	05-25-1988	Canon Kabushiki Kaisha	X
/MWS/	EP 0 350 179	01-10-1990	W & T Avery Ltd.	X
/MWS/	EP 0 442 123	08-21-1991	Neste OY	X
/MWS/	EP 0 460 242	12-11-1991	Nippon Petrochemicals	X
/MWS/	EP 0 501 456 A2	09-02-1992	Sony	X
/MWS/	EP 0 501 456 A3	09-02-1992	Sony	X
/MWS/	EP 0 511 807	11-04-1992	GEC Avery Ltd.	X
/MWS/	EP 0 528 662	02-24-1993	Kabushiki Kaisha Toshiba	X
	EP 0 645 266	08-23-1993	Koninklijke Philips	
/MWS/	EP 0 685 985	12-06-1995	Hitachi Metals	X
/MWS/	EP 0 716 458	06-12-1996	AT&T Corp.	X
	EP 0 785 578 A2	07-23-1997	AT & T Corp.	
/MWS/	EP 0 962 984	12-08-1999	Lucent Technologies	X
/MWS/	EP 0 966 182	12-22-1999	LG Electronics	X
	EP 0 970 745	02-16-2000	Adolf Illig Maschinenbau	
/MWS/	EP 0 981 165	02-23-2000	Lucent Technologies	X
/MWS/	EP 0 989 614 A2	03-29-2000	Sel Semiconductor	X
	EP 1 040 912	11-02-2000	Miele & Cie	
	EP 1 052 594	11-15-2000	Sokymat S.A.	
/MWS/	EP 1 065 725 A2	01-03-2001	Sel Semiconductor	X
/MWS/	EP 1 065 725 A3	01-03-2001	Sel Semiconductor	X
	EP 1 088 776	08-14-2001	Seiko Epson	
/MWS/	EP 1 102 016 (title page only)	05-30-2001	Infineon Technologies	
/MWS/	EP 1 104 035 A2	05-30-2001	Lucent Technologies	X
	EP 1 134 604	09-10-2001	Infineon Technologies	
/MWS/	EP 1 224 999 (title page only)	07-24-2002	Sumitomo Heavy Ind.	X

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet	5		11	Attorney Docket Number	411000-132
-------	---	--	----	------------------------	------------

<i>Complete if Known</i>				
		Application Number	10/535,449	
		Filing Date	May 19, 2005	
		First Named Inventor	Walter Fix	
		Group Art Unit	Not assigned	
		Examiner Name	Not assigned	
/MWS/		EP 1 237 207 A2	09-04-2002	Fuji Photo Film Co.
		EP 1 318 084	06-11-2003	Nippon Sanso Corp.
		EP 2 702 080	14-02-2000	Liger-Rene
/MWS/		GB 2 058 462	04-08-1981	Shin-Etsu Polymer Co.
/MWS/		GB 723,598	02-09-1955	N V Phillips Gloeilampenfabrieken
		GR2001P09299 (not available)		
		GR2004P20024 (not available)		
/MWS/		JP 01169942 (abstract)	07-05-1989	Hitachi Ltd.
		JP 05152560 (abstract)	06-18-1993	Sumitomo Chem Co.
/MWS/		JP 05259434	10-05-1993	Nisha Printing
/MWS/		JP 05347422	12-27-1993	Fujitsu Ltd.
/MWS/		JP 08197788 (abstract)	08-06-1995	Hitachi Koki
		JP 09083040	03-26-1997	Sharp Corp.
		JP 09926760	12-12-1997	Matsushita Electric Ind.
		JP 10020094	01-27-1999	Toshiba Chem. Corp.
/MWS/		JP 2001085272	03-30-2001	Matsushita Electric Ind.
/MWS/		JP 362065477A	03-24-1987	Toshiba
		JP 54000092	00-04-1979	Sakamoto Mitsuru
		JP 60117700 (abstract)	00-23-1985	Fujitsu Ltd.
/MWS/		JP 61001060 (abstract)	01-07-1986	Hitachi Koki
/MWS/		JP 61167854 (abstract)	07-29-1986	Murata Mfg. Co. Ltd.
/MWS/		WO 00/33063	06-08-2000	Moorlodge Biotech
/MWS/		WO 00/36668	06-22-2000	E Ink Corp.
/MWS/		WO 00/79617	12-28-2000	Cambridge University
/MWS/		WO 01/03126	01-11-2001	Regents of U. of CA
/MWS/		WO 01/06442	01-25-2001	Yip
/MWS/		WO 01/08241	02-01-2001	E Ink Corporation
/MWS/		WO 01/15233	03-01-2001	Koninklijke Philips
/MWS/		WO 01/17029	03-08-2001	E Ink Corp.
/MWS/		WO 01/17041	03-08-2001	E Ink Corp.
/MWS/		WO 01/27998	04-19-2001	Koninklijke Philips
		WO 01/46997	08-28-2001	Plastic Logic Ltd.
/MWS/		WO 01/47044 A2	08-28-2001	Plastic Logic Limited
/MWS/		WO 01/47044 A3	08-28-2001	Plastic Logic Limited

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet	6	11	Attorney Docket Number	411000-132
-------	---	----	------------------------	------------

		<i>Complete if Known</i>		
		Application Number	10/535,449	
		Filing Date	May 19, 2005	
		First Named Inventor	Walter Fix	
		Group Art Unit	Not assigned	
		Examiner Name	Not assigned	
/MWS/	WO 01/47045	06-28-2001	Plastic Logic	X
/MWS/	WO 01/73109 A2	10-24-2001	Iverness Medical	X
/MWS/	WO 01/73109 A3	10-24-2001	Iverness Medical	X
/MWS/	WO 02/05360	01-17-2002	Siemens AK	X
/MWS/	WO 02/05361	01-17-2002	3M Innovative Prop.	X
	WO 02/065397	06-22-2002	Siemens	
/MWS/	WO 02/071139	09-12-2002	Acro AB	X
/MWS/	WO 02/071505	09-12-2002	Acro AB	x
	WO 02/076024	10-03-2002	Niekobis Industries	
/MWS/	WO 02/091495	11-14-2002	Coatue Corp.	X
/MWS/	WO 02/095805 A2	11-28-2002	Plastic Logic Limited	X
/MWS/	WO 02/095805 A3	11-28-2002	Plastic Logic Limited	X
/MWS/	WO 02/099907	12-12-2002	Siemens	X
	WO 02/099909	12-12-2002	Siemens	
	WO 02/15294	02-21-2002	Siemens AK	
	WO 02/16143	08-07-2002	Siemens	
/MWS/	WO 02/29912	04-11-2002	Cambridge University	X
/MWS/	WO 02/43071	05-30-2002	Thin Film Electronics	X
	WO 02/47100	08-19-2002	Siemens	
	WO 03/046922	08-05-2003	Infinion Technologies	
/MWS/	WO 03/067680	08-14-2003	Canon Kabushiki Kaisha	X
/MWS/	WO 03/069552	08-21-2003	Rafsec Oy	X
	WO 03/081671	10-02-2003	Siemens AK	
	WO 03/095175	11-20-2003	ZDD Displays Ltd.	
/MWS/	WO 04/042837 A2	05-21-2004	Siemens	X
	WO 04/042837 A3	05-21-2004	Siemens	
	WO 04/047144 A2	08-03-2004	Siemens	
	WO 04/047144 A3	08-03-2004	Siemens	
	WO 04/7164 A2	08-08-2004	Siemens	
	WO 04/7164 A3	08-08-2004	Siemens	
	WO 2004/033257	04-15-2004	Leonhard Kurz GmbH	
	WO 2004/063659	09-09-2004	Platform Diagnostics	
/MWS/	WO 93/16491	08-19-1993	Kopin Corp.	X
/MWS/	WO 94/17558	08-04-1994	FCI-Fiberchem	X

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet	7		11	Attorney Docket Number	411000-132
-------	---	--	----	------------------------	------------

/MWS/	WO 95/06240	03-02-1995	Metrika Laboratories		X
/MWS/	WO 95/31831 (title page only)	11-23-1995	Philips Electronics		X
/MWS/	WO 96/02924	02-01-1996	Oryx Techn Corp.		X
	WO 96/13792	06-27-1996	Trustees of Princeton		
/MWS/	WO 97/12349	04-03-1997	DeRivaz		X
/MWS/	WO 97/18944	05-29-1997	Gov't of USA		X
	WO 98/18156	04-30-1998	Steag Microtech		
/MWS/	WO 98/18188 (title page only)	04-30-1998	Erico Lightning		X
/MWS/	WO 98/40930	09-17-1998	Precision Dynamics		X
/MWS/	WO 99/07189	02-11-1999	Cambridge		X
/MWS/	WO 99/10929 (title page only)	03-04-1999	Koninklijke Philips		X
/MWS/	WO 99/10939	03-04-1999	Koninklijke Philips		X
/MWS/	WO 99/21233	04-29-1999	Regents of U California		X
/MWS/	WO 99/40631	08-12-1999	Opticom USA		X
	WO 99/53371	10-21-1999	E Ink Corp.		
/MWS/	WO 99/54938	10-28-1999	Cambridge Display		X
	WO 99/54938-Corrected Version	10-29-1999	Cambridge Display		
/MWS/	WO 99/66540	12-23-1999	Opticom ASA		X

/Matthew Such/

11/23/2007

Substitute for form 1449A/PTO				<b>Complete if Known</b>	
				Application Number	10/535,449
				Filing Date	May 19, 2005
				First Named Inventor	Walter Fix
				Group Art Unit	Not assigned
				Examiner Name	Not assigned
Sheet	8	Of	11	Attorney Docket Number	411000-132

NON-PATENT LITERATURE DOCUMENTS					
Examiner Initial	Cite No.				
/MWS/		ASSADI A, et al., "Field-Effect Mobility of Poly (3-Hexylthiophene) Dept. of Physics and Measurement Technology, Received 3 March 1988; accepted for Publication 17 May 1988			X
/MWS/		BAO, Z. et al., "High-Performance Plastic Transistors Fabricated by Printing Techniques", Chem. Mater Vol. 9, No. 6, 1997, pp 1299-1301.			X
/MWS/		BRABEC, C.J. et al., "Photoinduced FT-IR spectroscopy and CW-photoconductance measurements of conjugated polymers and fullerenes blended into a conventional polymer matrix", Solar Energy Materials and Solar Cells, 2000 Elsevier Science V.V., pages 19-33.			X
/MWS/		BRABEC, C.J. et al., "Photovoltaic properties of a conjugated polymer/methanofullerene composites embedded in a polystyrene matrix", Journal of Applied Physics, Vol 85, No. 9, 1999, pages 6866 – 6872.			X
/MWS/		BRAUN D., et al., "Visible light emission from semiconducting polymer diodes", American Institute of Physics, Applied Physics Letters 58, May 6, 1991, pages 1982 – 1984.			X
/MWS/		BROWN, A.R. et al., "Field-effect transistors made from solution-processed organic semiconductors", Elsevier Science, S.A., Synthetic Metals 88 (1997) pp. 37-55			X
/MWS/		BROWN, A.R., "Logic Gates Made from Polymer Transistors and Their Use in Ring Oscillators", Science, Vol. 270, November 10, 1995, pp 972 - 974			X
/MWS/		CHEN, Shiao-Shien et al., "Deep Submicrometer Double-Gate Fully-Depleted SOI PMOS Devices: A Concise Short-Channel Effect Threshold Voltage Model Using a Quasi-2D Approach", IEEE Transaction on Electron Devices, Vol. 43, No. 9, September 1996			X
/MWS/		CHEN, X.L. et al., "Morphological and Transistor Studies of Organic Molecular Semiconductors with Anisotropic Electrical Characteristics", American Chemical Society, 2001, Chem. Mater. 2001, 13, 1341—1348.			X
		CLEMENS, W. et al., vom Organischen Transistor Zum Plastik-Chip, Physik Journal, V. 2, 2003, pp. 31-30.			
/MWS/		COLLET J. et al., 'LOW VOLTAGE, 30 NM CHANNEL LENGTH, ORGANIC TRANSISTORS WITH A SELF-ASSEMBLED MONOLAYER AS GATE INSULATING FILMS:, APPLIED PHYSICS LETTERS, AMERICAN INSTITUTE OF PHYSICS, NEW YORK, US, Bd 76, Nr. 14, 3. april 2000 (2000-04-03), Seiten 1941-1943, XP000950589, ISSN:0003-6951, das ganze Dokument			X
/MWS/		CRONE, B. ET AL, "Large-scale complementary integrated circuits based on Organic transistors", Nature, Vol. 403, Feb. 3, 2000, PP. 521 -			X
/MWS/		DAI, L. et al., "Photochemical Generation of Conducting Patterns in Polybutadiene Films:, Macromolecules, Vol. 29, No. 1, 1996, pages 282-287, XP 001042019, the whole document			X
		DAI, L. et al., "I <sub>2</sub> -Doping" of 1,4-Polydienes*, Elsevier Science S.A., Synthetic Metals 69 (1995), pp 563-566.			

/Matthew Such/

11/23/2007

*Complete if Known*

Application Number	10/535,449
Filing Date	May 19, 2005
First Named Inventor	Walter Fix
Group Art Unit	Not assigned
Examiner Name	Not assigned

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 9

11

Attorney Docket Number 411000-132

		DAI, L. et al., "Conjugation of Polydienes by Oxidants Other Than Iodine", Elsevier Science S.A., Synthetic Metals 88 (1997) 1893-1894.	
/MWS/		DE LEEUW D.M. et al., "Polymeric integrated circuits and light-emitting diodes", Electron Devices Meeting, 1997. Technical Digest, International, Washington, DC, USA 7-10 Dec. 1997, New York, NY, USA, IEEE, US 7 December 1997.	X
/MWS/		DODABALAPUR, A. et al., Organic smart pixels", American Institute of Physics, Applied Physics Letters, Vol. 73, No. 2, July 13, 1998, pp. 142 – 144.	X
/MWS/		FICKER, J. et al., "Dynamic and Lifetime Measurements of Polymer OFETS and Integrated Plastic Circuits," Proc. of SPIE, v. 466, 2001, pp. 95-102	X
/MWS/		FIX, W. et al., "Fast Polymer Integrated Circuits Based on a Polyfluorene Derivative", ESSDERC 2002, 2002, pp. 527-529.	X
/MWS/		FIX, W., et al., "Fast polymer integrated circuits", American Institute of Physics, Applied Physics Letters, Vol. 81, No. 89, August 2002, pp. 1735-1737.	X
		Fraunhofer Magazin Polytronic Chips Von der Rolle, 4.2001, Pages 0-10	
/MWS/		GARNIER F et al., "Vertical Devices Architecture By Molding Of Organic-Based Thin Film Transistor", Applied Physics Letters, American Institute Of Physics, XP000784120, issn: 0003-6951 abbildung 2	X
/MWS/		GARNIER et al., "Conjugated Polymers and Oligomers as Active Material For Electronic Devices", Synthetic Metals, Vol. 28, 1989	X
/MWS/		GELINCK, G.H. et al., "High-Performance All-Polymer Integrated Circuits", Applied Physics Letters, v. 77, 2000, pp. 1487-1489.	X
/MWS/		GOSAIN, D.P., "Excimer laser crystallized poly-Si TFT's on plastic substrates", Second International Symposium on Laser Precision Microfabrication, May 18-18, 2001, Singapore, Vol. 4426, pages 394 – 400.	X
/MWS/		HALLS, J.J. M., et al., "Efficient photodiodes from interpenetrating polymer networks", Nature, Vol. 376, August 10, 1995, pp. 498 – 500.	X
		HARSANYI, G. ET AL., "Polytronics for electronics--technique possibilities of polymers in biosensors and BioMEMS", IEEE Polytronic 2002 Conference, June 23, 2002, pages 211-215	
/MWS/		HEBNER, T.R. et al., "Ink-jet printing of doped polymers for organic light emitting devices", American Institute of Physics, Applied Physics Letters, Vol. 72, no. 5, February 2, 1998, pages 519-521.	X
/MWS/		HWANG J D et al., "A Vertical Submicron SiC thin film transistor", Solid State Electronics, Elsevier Science Publishers, Barking, GB, Bd. 38, NR. 2, 1. February 1995 (1995-02-01), Seiten 275-278, XP004014040, ISSN:0038-1101, Abbildung 2	X
/MWS/		IBM Technical Disclosure Bulletin, "Short-Channel Field-Effect Transistor", IBM Corp., New York, US, Bd. 32, Nr. 3A, 1.August 1989 (1989-08-01), Seiten 77-78, XP000049357, ISSN:0018-8689, das ganze Dokument	X
		KAWASE, T. et al., "Injet Printed Via-Hole Interconnections and Resistors for All-Polymer Transistor Circuits", Advanced Materials 2001, 13, No. 21, November 2, 2001, pp 1601 – 1605.	
/MWS/		KLAUK, H. et al., "Fast Organic Thin Film Transistor Circuits", IEEE Electron Device Letters, Vol. 20, no. 6, pages 289-291	X
/MWS/		KLAUK, H. et al., "Pentacene Thin Film Transistors and Inverter Circuits", 1997 International Electron Devices Meeting Technical Digest, pages 539-542, December 1997	X

11/23/2007

/Matthew Such/

Substitute for form 1449A/PTO				<i>Complete if Known</i>	
				Application Number	10/535,449
				Filing Date	May 19, 2005
				First Named Inventor	Walter Fix
				Group Art Unit	Not assigned
				Examiner Name	Not assigned
Sheet	10		11	Attorney Docket Number	411000-132

/MWS/		KNOBLOCH, A. et al., "Printed Polymer Transistors", Proc. Polytronic, v. 84, 2001, pp. 84-89	X
/MWS/		KOBEL W. et al., "Generation of Micropatterns in Poly (3-Methyl-Thiophene) Films Using Microlithography: A First Step in the Design of an All-Organic Thin-Film Transistor" Synthetic Metals, V. 22, 1988, pp. 265-271.	X
		KOEZUKA, H. et al., "Macromolecular Electronic Device", Mat. Cryst. Liq. Cryst 1994, Vol. 2555, pp. 221-230.	
/MWS/		KUMAR, Anish et al., "Kink-Free Polycrystalline Silicon Double-Gate Elevated-Channel Thin-Film Transistors", IEEE Transactions on Electron Devices, Vol. 45, No. 12, December 1998	X
/MWS/		LIDZEY, D. G. et al., "Photoprocessed and Micropatterned Conjugated Polymer LEDs", Synthetic Metals, V. 82, 1996, pp. 141-148	X
/MWS/		LOWE, J. et al., "Poly (3-(2-Acetoxyethyl)Thiophene): A Model Polymer for Acid-Catalyzed Lithography", Synthetic Metals, Elsevier Sequola, Lausanne, CH, Bd. 85, 1997, Seiten 1427-1430.	X
/MWS/		LU, Wen et al., "Use of Ionic Liquids for π-Conjugated Polymer Electrochemical Devices", Science, Vol 297, 2002, pages 983 – 987/	X
/MWS/		LCENT TECHNOLOGIES, "Innovation marks significant milestone in the development of electronic paper", Cambridge, MA and Murray Hill, NJ, November 20, 2000. XP-002209726.	X
/MWS/		MANUELLI, Alessandro et al., "Applicability of Coating Techniques for the Production of Organic Field Effect Transistors", IEEE Polytronic 2002 Conference, 2002, pp. 201-204.	X
/MWS/		MIYAMOTO, Shiochi et al., "Effect of LDD Structure and Channel Poly-Si Thinning on a Gate-All-Around TFT (GAT) for SRAM's, IEEE Transactions on Electron Devices. Vol. 46, No. 8, August 1999	X
/MWS/		OELKRUG, D. et al., "Electronic spectra of self-organized oligothiophene films with 'standing' and 'lying' molecular units", Elsevier Science S.A., 1996, Thin Solid Films 284-270	X
		QIAO, X. et al., "The FeCl <sub>3</sub> -doped poly(3-allithiophenes) in solid state", Elsevier Science, Synthetic Metals 122 (2001) pp 449–454.	
/MWS/		REDECKER, M. et al., "Mobility enhancement through homogeneous nematic alignment of a liquid-crystalline polyfluorene", 1999 American Institute of Physics, Applied Physics Letters, Vol. 74, number 10, pp. 1400-1402.	X
/MWS/		ROGERS J A et al: "Low-Voltage 0.1 Mum Organic Transistors and Complementary Inverter Circuits Fabricated with a Low-Cost Form of Near-Field Photolithography", Applied Physics Letters, American Institute of Physics. New York, US, Bd. 75, Nr. 7, 16. August 1999 (1999-08-16), Seiten 1010-1012, XP000934355, ISSN: 003-6951, das ganze Dokument	X
/MWS/		ROGERS, J. A. et al.: "Printing Process Suitable for Reel-to-Reel Production of High-Performance Organic Transistors and Circuits", Advanced Materials, VCH, Verlagsgesellschaft, Weinheim, DE, Bd. 11, Nr. 9, 5. Juli 1999 (1999-07-05), Seiten 741-745, P000851834, ISSN: 0935-9648, das ganze Dokument	X
/MWS/		ROMAN et al., "POLYMER DIODES WITH HIGH RECTIFICATION:", Applied Physics Letters, Vol. 75, No. 21, November 22, 1999	X
/MWS/		ROST, Henning et al., "All-Polymer Organic Field Effect Translitors", Proc. Mat. Week, CD, 2001, pp. 1-6	X
/MWS/		SANDBERG, H. et al, "Ultra-thin Organic Films for Field Effect Transistors", SPIE Vol. 4466, 2001, pp. 35 – 43.	X
/MWS/		SCHOEBEL, "Frequency Conversion with Organic-On-Inorganic Heterostructured Diodes", Extended Abstracts of the International Conference on Solid State Devices and Materials, September 1, 1997	X

Substitute for form 1449A/PTO				<i>Complete if Known</i>	
				Application Number	10/535,449
				Filing Date	May 19, 2005
				First Named Inventor	Walter Fix
				Group Art Unit	Not assigned
				Examiner Name	Not assigned
Sheet	11		11	Attorney Docket Number	411000-132

/MWS/		SCHRODNER M. ET AL., "Plastic electronics based on Semiconducting Polymers", First International IEEE Conference on Polymers and Adhesives in Microelectronics and Photonics. Incorporating Poly, Pep & Adhesives in Electronics. Proceedings (Cat. No. 01TH8592), First International IEEE Conference on Polymers and Adhesives in Micr, Seltann 91 - 94.	X		
/MWS/		SHAHEEN, S.E., et al., "Low band-gap polymeric photovoltaic devices", Synthetic Metals, Vol 121, 2001, pages 1583-1584.	X		
		TAKASHIMA, W. et al., Electropolymer Memory Devices Using Conducting Polymers and Solid Polymer Electrolytes", Polymer International, Melbourne, 1992, pages 249 - 253.			
/MWS/		ULLMAN, A. et al., "High Performance Organic Field-Effect Transistors and Integrated Inverters", Mat. Res. Soc. Symp. Proc., v. 665, 2001, pp. 265-270.	X		
		VELU, G. et al. "Low Driving Voltages and Memory Effect in Organic Thin-Film Transistors With A Ferroelectric Gate-Insulator", Applied Physics Letters, American Institute of Physics, New York, Vol. 70, No. 5, 2002, pages 659 - 661.			
/MWS/		WANG, Yading et al., "Electrically Conductive Semipermeable Polymer Networks of Poly(3-octylthiophene)", Macromolecules 1992, Vol 25, pages 3284 - 3290.	X		
/MWS/		YU, G. et al., "Dual-function semiconducting polymer devices: Light-emitting and photodetecting diodes", American Institute of Physics, Applied Physics Letter 64, March 21, 1994, pages 1540 - 1542.	X		
/MWS/		ZHENG, Xiang-Yang et al., "Electrochemical Patterning of the Surface of Insulators with Electrically Conductive Polymers", J. Electrochem. Soc., v. 142, 1995, pp L226-L227.	X		
Examiner Signature	/Matthew Such/		Date Considered	11/23/2007	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

<p style="text-align: center;"><i>O I P E 1449A OCT 31 2005 P A T E N T &amp; T R A D E M A R K S</i></p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p>(Use as many sheets as necessary)</p>			<b>Complete if Known</b>	
			Application Number	10/535,449
			Filing Date	May 19, 2005
			First Named Inventor	Walter Fix
			Group Art Unit	Not assigned
			Examiner Name	Not assigned
Sheet 1 of 1	Attorney Docket Number	411000-132		

**U.S. PATENT DOCUMENTS**

Examiner Initial*	Cite No. <sup>1</sup>	Document Number Number-Kid Code <sup>2</sup> (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/MWS/		US-5,892,244	04-06-1999	Tanaka et al.	
/MWS/		US-6,344,662	02-05-2002	Dimitrakopoulos et al.	
		US-			

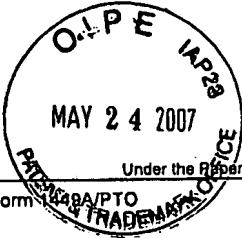
**FOREIGN PATENT DOCUMENTS**

Examiner Initial*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication- Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
/MWS/		JP 2969184 B	11-02-1999	Casio Computer Co. Ltd.	See attached IDS letter	
/MWS/		JP 2969184 B (translation)	11-02-1999	Casio Computer Co. Ltd.		X

Examiner Signature	/Matthew Such/	Date Considered	11/23/2007
--------------------	----------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



MAY 24 2007

**Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.**

Approved for use through 07/31/2006. OMB 0651-0031

Patent and Trademark Office; U.S. Department of Commerce

U.S. Patent and Trademark Office; U.S. Department of Commerce

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

**(Use as many sheets as necessary)**

Sheet 1 1

 <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>		<b>Complete if Known</b>	
		Application Number	10/535,449
		Filing Date	May 19, 2005
		First Named Inventor	Walter Fix
		Group Art Unit	1756
		Examiner Name	Not assigned
Sheet	1	Attorney Docket Number	411000-132

## **U.S. PATENT DOCUMENTS**

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 801.04. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

#318313 v1